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LD 74: Digital Private Network Signaling System Link

Overlay program 74 allows data blocks for Digital Private Network Signaling System Number 1 (DPNSS1) and Digital Access Signaling System Number 2 (DASS2) protocols to be created or modified.

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	aaaa	Type of data block (aaaa = DDSL, DTSL, LSSL, LSRC, or LSVC)
LSSL	xx	Low Speed Signaling Link
RATE	a...a	Baud rate for Low Speed Signaling Link (aaaa = (EXT), 110, 150, 300, 600, 1200, 2400, 4800, 9600, 19K, 56K, or 64K)
S2	(0)-1	Switch 2 mode
HTYP	aaaa	Hardware Type (aaaa = DCHI, DCHX, or MSDL)
DDSL	0-n	DPNSS link number
DTSL	0-159	Digital Trunk Signaling Link number
SIGL	DA	Level 2 Signaling (DASS2)
DDCS	0-159	Loop for DPNSS Channel Switch
DTCS	0-159	Digital Trunk Channel Switch loop number
PRIV	(YES) NO	Private link
- SIDE	aaa	Side for Termination (aaa = (AET) or BNT)
- MWIF	a...a	Message Waiting Interface (a...a = (STD) or ISDM]
- SAT	(NO) YES	Satellite
- - NT2	1-(26)-100	Post retransmission acknowledgment delay.
L2_RST	(YES) NO	Indicates if Layer 2 could be reset during a system initialize.
FLOW CNTL	(NO) YES	Flow Control
- BRST PARM	xx	Burst Parameter set on public network (xx = (0) 4, 8, 16, or 32)
- - REPL PARM	x	Replenishment Parameter set on public network (x = 1, 2, 4, or 8)
CNTL	(NO) YES	Change Control timers and counters
- ALRM	aaa pp mm cc	Alarm timers (aaa = AIS, DAI, FAE, HER, LOI, TBF, or TSF; pp = persistence time ; mm = monitor time ; cc = repeat threshold time)

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ALRM		Alarm timers. For the following response alternatives, pp = Persistence time, mm = Monitor time and cc = Repeat count threshold.	dpnss1/dass2-16
	AIS pp mm cc	Alarm Indication Signal Where : pp = 0-(1)-15 minutes, mm = 0-(1)-24 hours and cc = 0-(4)-15.	
	DAI pp mm cc	Distant Alarm Indication Where : pp = 0-(1)-15 minutes, mm = 0-(1)-24 hours and cc = 0-(5)-15.	
	FAE pp mm cc	Frame Alignment Error Where : pp = 0-(2)-15 seconds, mm = 0-(1)-24 hours and cc = 0-(4)-15.	
	HER pp mm cc	High Error Where : pp = 0-(1)-15 minutes, mm = 0-(1)-24 hours and cc = 0-(10)-15.	
	LOI pp mm cc	Loss Of Input Where : pp = (0)-15 seconds, mm = (0)-24 hours and cc = (0)-15.	
	TBF pp mm cc	Transmit Buffer Full Where : pp = 0-(5)-15 seconds, mm = (0)-24 hours and cc = 0-(1)-15.	
	TSF pp mm cc	Transmit Signaling Failure Where : pp = (0)-15 seconds, mm = (0)-24 hours and cc = (0)-15.	
BRST PARM xx		Burst Parameter set on public network. You may respond with : (0), 4, 8, 16, or 32.	dpnss1/dass2-16
CNTL	(NO) YES	Do not change Control timers and counters Change Control timers and counters	dpnss1/dass2-16

Prompt	Response	Comment	Pack/Rel
CNTR	CRT 0-(120)-255 TMT 0-(50)-255 SCT 0-(20)-255	Counter threshold Channel Reset Threshold Test Message Threshold Stop Count Threshold If 255 is entered, the threshold is set to infinity.	dpnss1/dass2-16
DDCS	0-159 1-9	Loop for DPNSS Channel Switch Card number for Option 11 DDCS is prompted when TYPE = DDSL.	dpnss1/dass2-16
DDSL	0-n	DPNSS link number. Where: - n = 15 for NT5K35AA or NT5K75AA in standard mode (S2 = 0) - n = 159 for NT5K75AA in expanded mode (S2 = 1) DDSL: is prompted when TYPE = DDSL.	dpnss1/dass2-16
DTCS	0-159	Digital Trunk Channel Switch loop number Prompted when TYPE = DTSL. (Not for Option 11)	dass2-16
DTSL	0-159	Digital Trunk Signaling Link number. Prompted when TYPE = DTSL. (Not for Option 11)	dass2-16
FLOW CNTL	(NO) YES	Flow Control FLOW CNTL is prompted if PRIV = NO.	dpnss1/dass2-16
HTYP		Hardware Type	dpnss_es-21
	DCHI	DPNSS1, DASS2 or APNSS link configured with the NT5K35 DCHI card or on the NT5K75 DCHI card in standard mode.	
	DCHX	DPNSS1 or DASS2 link configured with the NT5K75 DCHI card in the expanded mode.	
	MSDL	DPNSS1, DASS2 or APNSS link configured with the MSDL card.	

Prompt	Response	Comment	Pack/Rel
L2_RST	(YES) NO	Indicates if Layer 2 could be reset during a system initialize. On certain systems, for example System Y and SX2000, established calls would be released if the Layer 2 is reset during an initialize. This prompt should only be set to NO when using NTAG54AA type Dual DCH Daughter board on a NTCK43AB DCH PRI pack. Note: If this Option is set to NO on an NT6D11 type pack, the pack would be left disabled after the initialize.	ida- 23
LSSL	xx	Low Speed Signaling Link Link number identifying the D-channel to be used for APNSS.	dpnss1-18
MWIF	(STD) ISDM	Message Waiting Interface Standard message waiting interface Plessey ISDX switch with remote message notification	samm-20
NT2	1-(26)-100	Minimum post retransmission acknowledgment delay. This is the minimum period of time after the expiry of NL and NTI that the system will wait for acknowledgment before reporting a retransmission failure to level 3 in 20 ms units.	dpnss_es-21
PRIV	(YES) NO	For a Private link to another PBX For a link to the public exchange Not prompted for APNSS.	dpnss1/dass2-16
RATE	(EXT) 110 150 300 600 1200 2400 4800 9600	Baud Rate for Low Speed Signaling Link 110 bits per second 150 bits per second 300 bits per second 600 bits per second 1200 bits per second 2400 bits per second 4800 bits per second 9600 bits per second	dpnss1/dass2-18

Prompt	Response	Comment	Pack/Rel
	19K	19 kilobits per second	
	56K	56 kilobits per second	
	64K	64 kilobits per second	
REPL PARM		Replenishment Parameter set on public network.	dpnss1/dass2-16
	x	You may enter: 1, 2, 4, or 8.	
REQ		Request	basic-1
	CHG	Change existing data block.	
	END	Exit Overlay program	
	NEW	Create a new data block	
	OUT	Remove data block	
	PRT	Print data block	
S2		Switch 2 mode (the mode selected with the switch S2 located on the NT5K75AA DCHI pack)	dpnss1/dass2-16
	(0)	NT5K35AA DCHI pack or NT5K75AA DCHI pack operating in standard mode	
	1	NT5K75AA DCHI pack operating in expanded mode	
SAT	(NO) YES	Satellite	dpnss_es-21
SIDE	(AET)	A Side (Exchange Termination)	dpnss1/dass2-16
	BNT	B Side - PBX Termination	
SIGL	DA	Level 2 Signaling (DASS2)	dpnss1/dass2-16
TYPE		Type of data block	dpnss1/dass2-16
	DDSL	DPNSS Link (NT hardware) data block	
	DTSL	Digital Trunk Signaling Link (GPT hardware) data block. Not supported on Option 11.	
	LSSL	Low Speed Signaling Link data block. Required for APNSS.	
	LSRC	Low Speed Channel data block. Accepted when REQ=PRT.	
	LSVC	Low Speed Virtual Channel data block. Accepted when REQ=PRT.	